

Weekly Report

2016.10.31-2016.11.06

1.This Week

Security Projects

- 1.Went to Wuxi for a brief introduction of our system.
- 2.Have a discussion with Huihua and Gao Xiang and have the remaining tasks assigned.
- 3.Start writing the description document of our system.

Seminar Courses

- 1.Write course papers.
- 2.Prepare for the incoming exams.

Vis Summary

- 1.Talked to a bunch of professors and phd students.

Professors:

Ren Liu: professor at Bosch Research Lab in north America.

Chen Yingjie: professor at Purdue university.

Students:

Chen Ruoran: HKUST, used to be student of Qu Huamin

Chen Siming: PKU, student of Yuan Xiaoru.

Gao Ruimin: Purdue University, student of Chen Yingjie.

Zhang Fangyan: student focused on network security visualization, student in the USA(forget the exact school)

Zhao Jieqiong: Purdue University, student of David

Jiawei: Purdue University

Students above are the ones I have built contact with, there are still a lot of foreign students I talked to during the poster time but I can't remember their names.

Other researchers:

Jay Jacobs: data scientist at Bitsight. He gave a talk about the state of vis security at VisSec and after his talk I asked him a question about one of his work at DBIR(Verizon Data Breach Investigation Report) that was presented in his talk.

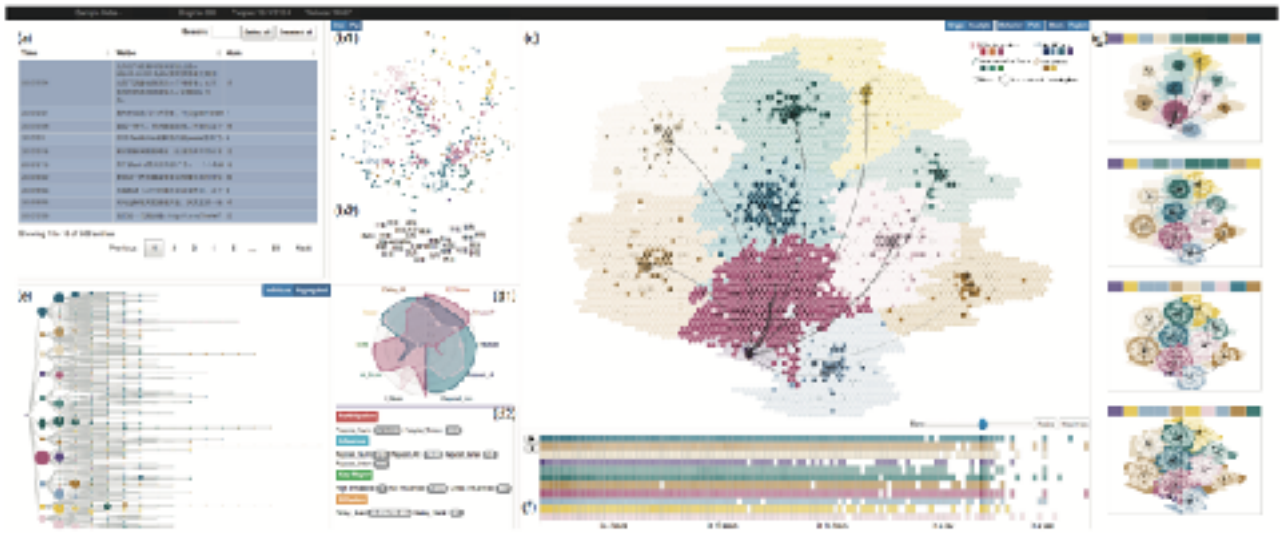
Andrienko: have their poster work introduced to me during poster time.

Reading Plan:

- 1.First week: vast and infovis papers about graph and network work.
- 2.Second week: vast and infovis papers about temporal data analysis.
- 3.Third Week: enlightened infovis papers(for example, vega-lite)
- 4.Fourth Week: vast and infovis papers about visualizations applied in machine learning and data mining.

Paper Reading

1.D-Map: Visual Analysis of Ego-centric Information Diffusion Patterns in Social Media



They propose D-Map to visually summarize and explore central users' social networks. They map all the people reposting a central user's weibos to a hexagon map to analyze diffusion patterns and community interactions. The map construction method was well explained in their paper with the result of multi-edge network with detected communities (community detection method is an existing method).

To Do

- 1.Finish the remaining tasks of security project before 11.16.
- 2.Prepare for exams.

